

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
								Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹									
Architecture and Engineering Occupations																																	
Civil Engineers (Oil and Gas, Top Job)								747	72	9.6	6	17	23	127	56	39	849	910	7.2	36.7	47.29	BA	None	None									
Arts, Design, Entertainment, Sports, and Media Occupations																																	
Public Relations Specialists								277	13	4.7	2	8	11	64	35	22	314	339	8.0	32.6	30.28	BA	None	None									
Technical Writers								152	23	15.1	2	2	5	24	8	8	124	145	16.9	34.8	31.60	BA	Under 5 yr	STOJT									
Building and Grounds Cleaning and Maintenance Occupations																																	
Janitors and Cleaners, Except Maids and Housekeeping Cleaners								6,564	843	12.8	56	135	190	2,326	304	848	5,561	6,118	10.0	36.0	14.59	Any	None	STOJT									
Maids and Housekeeping Cleaners								5,336	1,815	34.0	48	87	135	1,218	0	889	3,598	4,078	13.3	28.3	11.44	Any	None	STOJT									
First-Line Supervisors of Housekeeping and Janitorial Workers								477	128	26.8	4	8	12	142	85	72	321	364	13.4	36.5	19.01	HS	Under 5 yr	None									
Landscaping and Groundskeeping Workers								1,606	334	20.8	9	21	30	419	41	307	917	1,004	9.5	14.3	14.91	Any	None	STOJT									
Business and Financial Operations Occupations																																	
Accountants and Auditors (Top Job)								1,916	114	5.9	16	36	52	414	239	106	1,732	1,894	9.4	35.4	35.82	BA	None	None									
Human Resources Specialists								513	28	5.5	7	10	17	215	104	54	519	593	14.3	27.0	29.27	BA	None	None									
Purchasing Agents, Except Wholesale, Retail, and Farm Products (Top Job)								424	49	11.6	3	14	17	96	51	36	542	574	5.9	43.0	34.19	HS	None	LTOJT									
Financial Analysts								315	18	5.7	6	8	14	89	54	17	380	440	15.8	32.6	47.29	BA	None	None									
Compliance Officers (Oil and Gas, Top Job)								497	60	12.1	3	15	18	114	55	42	765	795	3.9	40.0	34.36	BA	None	MTOJT									
Management Analysts								272	67	24.6	3	9	12	62	31	15	562	591	5.2	49.5	n/a	BA	Under 5 yr	None									
Training and Development Specialists								356	34	9.6	3	5	8	134	70	19	313	346	10.5	41.7	30.82	BA	Under 5 yr	None									

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Budget Analysts	144	12	8.3	0	6	6	54	12	7	294	294	0.0	33.8	40.27	BA	None	None																
Labor Relations Specialists	107	8	7.5	2	2	5	65	13	4	133	158	18.8	51.5	36.27	BA	None	None																
Market Research Analysts and Marketing Specialists	117	15	12.8	1	2	3	24	9	3	71	81	14.1	13.6	30.44	BA	None	None																
Community and Social Services Occupations																																	
Social and Human Service Assistants	830	91	11.0	21	25	45	458	88	141	1,177	1,384	17.6	27.9	18.01	HS	None	STOJT																
Mental Health and Substance Abuse Social Workers	483	58	12.0	13	17	30	99	30	47	515	644	25.0	27.6	20.77	BA	None	None																
Child, Family, and School Social Workers	1,017	90	8.8	9	16	25	259	117	136	683	778	13.9	25.4	22.17	BA	None	None																
Substance Abuse and Behavioral Disorder Counselors	372	27	7.3	8	14	22	109	35	51	357	440	23.2	43.5	23.41	HS	None	MTOJT																
Mental Health Counselors (Top Job)	351	27	7.7	7	10	18	80	23	34	349	423	21.2	34.6	27.43	MA	None	Int/Res																
Healthcare Social Workers	261	30	11.5	5	6	11	53	21	19	264	314	18.9	31.9	22.82	MA	None	None																
Health Educators	252	16	6.3	4	4	8	80	37	42	192	230	19.8	34.6	27.22	BA	None	None																
Educational, Guidance, School, and Vocational Counselors	716	37	5.2	5	11	16	161	72	33	531	582	9.6	34.5	32.63	MA	None	None																
Rehabilitation Counselors	265	14	5.3	7	7	14	107	67	29	329	395	20.1	29.6	26.64	MA	None	None																
Clergy	73	17	23.3	n/a	n/a	n/a	9	6	1	n/a	n/a	n/a	57.6	22.12	BA	None	MTOJT																
Community Health Workers	72	3	4.2	1	1	2	24	9	13	54	62	14.8	42.0	19.50	HS	None	STOJT																
Probation Officers and Correctional Treatment Specialists (Top Job)	712	29	4.1	4	15	19	127	81	40	697	736	5.6	25.6	n/a	BA	None	STOJT																
Computer and Mathematical Occupations																																	
Computer User Support Specialists	1,117	74	6.6	9	25	34	279	69	64	984	1,070	8.7	23.0	25.90	COLL	None	MTOJT																

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident ⁸ Workers Age 50+	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Computer Systems Analysts								481	95	19.8	6	10	17	205	58	16	557	622	11.7	34.4	36.88	BA	None	None									
Network and Computer Systems Administrators								664	53	8.0	5	9	15	183	70	29	558	612	9.7	27.1	36.62	BA	None	None									
Computer Network Support Specialists								332	28	8.4	2	8	10	119	77	16	314	334	6.4	17.1	30.19	AA	None	None									
Computer Programmers								651	48	7.4	4	13	17	109	49	14	579	619	6.9	35.5	37.77	BA	None	None									
Database Administrators								161	27	16.8	1	2	3	28	12	4	120	134	11.7	42.3	35.59	BA	Under 5 yr	None									
Software Developers, Applications								218	26	11.9	2	4	6	66	32	10	261	283	8.4	31.8	40.02	BA	None	None									
Construction and Extraction Occupations																																	
Construction Laborers (Oil and Gas)								7,424	1,462	19.7	43	124	167	1,980	458	2,391	4,253	4,684	10.1	16.9	21.61	Any	None	STOJT									
Carpenters (Oil and Gas, Top Job)								4,417	937	21.2	35	61	96	1,001	545	1,444	2,973	3,318	11.6	25.5	30.66	HS	None	App									
Electricians (Oil and Gas, Top Job)								2,892	649	22.4	18	61	79	387	207	833	2,355	2,531	7.5	26.5	35.96	HS	None	App									
Plumbers, Pipefitters, and Steamfitters (Oil and Gas, Top Job)								2,187	454	20.8	16	47	63	325	224	611	1,670	1,830	9.6	26.3	34.57	HS	None	App									
Supervisors of Construction and Extraction Workers (Oil and Gas, Top Job)								1,254	345	27.5	14	22	36	391	245	299	973	1,116	14.7	51.2	40.58	HS	5 plus yrs	None									
Education, Training, and Library Occupations																																	
Preschool Teachers, Except Special Education								794	98	12.3	10	17	27	233	99	236	670	771	15.1	18.9	17.30	AA	None	None									
Teacher Assistants								5,613	419	7.5	47	219	266	1,706	238	430	4,528	4,997	10.4	36.0	n/a	COLL	None	None									
Health Specialties Teachers, Postsecondary								81	6	7.4	1	3	4	22	17	2	171	186	8.8	60.5	n/a	PHD	Under 5 yr	None									
Food Preparation and Serving Related Occupations																																	
Cooks, Institution and Cafeteria								917	189	20.6	12	24	36	304	22	168	838	955	14.0	40.3	17.46	Any	None	STOJT									

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, October 2014.

The "n/a" means data are not available.

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident ⁸ Workers Age 50+	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Food Preparation Workers								4,838	1,072	22.2	31	149	181	1,573	0	528	2,804	3,117	11.2	15.3	12.67	Any	None	STOJT									
Dining Room and Cafeteria Attendants and Bartender Helpers								1,170	301	25.7	9	53	62	424	0	105	849	939	10.6	6.3	10.22	Any	None	STOJT									
Combined Food Preparation and Serving Workers, Including Fast Food								7,488	1,447	19.3	66	271	337	2,668	0	797	5,599	6,258	11.8	13.1	10.69	Any	None	STOJT									
First-Line Supervisors of Food Preparation and Serving Workers								835	155	18.6	8	15	23	266	129	99	707	789	11.6	27.5	17.18	HS	Under 5 yr	None									
Healthcare Practitioners and Technical Occupations																																	
Registered Nurses (Top Job)								5,792	967	16.7	99	87	187	424	190	161	4,979	5,973	20.0	41.3	40.21	AA	None	None									
Psychiatric Technicians								435	34	7.8	9	7	16	121	29	46	433	523	20.8	27.2	18.92	VOC	None	STOJT									
Family and General Practitioners (Top Job)								420	101	24.0	10	8	17	85	42	15	399	495	24.1	36.1	99.66	PHD	None	Int/Res									
Medical Records and Health Information Technicians								531	39	7.3	11	10	20	149	39	60	496	604	21.8	30.7	20.29	VOC	None	None									
Dental Hygienists (Top Job)								464	39	8.4	16	11	27	62	47	18	571	730	27.8	34.8	35.34	AA	None	None									
Licensed Practical and Licensed Vocational Nurses								572	79	13.8	14	17	30	137	38	53	644	782	21.4	45.5	25.97	VOC	None	None									
Physician Assistants (Top Job)								471	96	20.4	10	7	17	68	39	17	376	472	25.5	41.1	49.53	MA	None	None									
Radiologic Technologists (Top Job)								438	57	13.0	10	7	16	58	21	19	441	539	22.2	35.2	33.14	AA	None	None									
Physical Therapists (Top Job)								445	101	22.7	9	5	14	48	28	7	400	492	23.0	27.2	46.54	PHD	None	None									
Medical and Clinical Laboratory Technicians (Top Job)								366	64	17.5	8	7	15	88	30	34	355	437	23.1	31.2	26.29	AA	None	None									
Medical and Clinical Laboratory Technologists								272	44	16.2	6	5	12	53	31	15	284	346	21.8	41.7	31.47	BA	None	None									
Nurse Practitioners								254	42	16.5	5	4	9	45	27	11	211	261	23.7	44.5	53.75	MA	None	None									
Emergency Medical Technicians and Paramedics								400	44	11.0	8	9	17	150	35	27	468	552	17.9	15.8	23.22	VOC	None	None									

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Dentists, General	213	43	20.2	4	4	7	16	10	5	142	177	24.6	36.5	100.31	PHD	None	None																
Recreational Therapists	180	23	12.8	4	5	10	67	49	14	182	226	24.2	37.0	n/a	BA	None	None																
Pharmacy Technicians	627	49	7.8	10	9	19	103	26	45	554	653	17.9	18.6	19.00	HS	None	MTOJT																
Surgical Technologists	189	34	18.0	3	3	6	30	11	12	150	183	22.0	22.1	25.35	VOC	None	None																
Pharmacists	387	71	18.3	7	10	17	42	23	6	394	464	17.8	35.8	63.96	PHD	None	None																
Occupational Therapists	218	32	14.7	4	4	7	34	22	11	194	233	20.1	31.9	38.66	MA	None	None																
Respiratory Therapists	185	40	21.6	3	3	7	12	9	15	171	206	20.5	48.0	33.07	AA	None	None																
Internists, General	174	67	38.5	2	2	4	32	18	6	104	123	18.3	36.8	100.23	PHD	None	Int/Res																
Dietitians and Nutritionists	152	8	5.3	3	4	7	34	16	6	147	175	19.0	26.7	30.03	BA	None	Int/Res																
Opticians, Dispensing	168	29	17.3	5	3	8	52	20	20	172	223	29.7	31.1	21.23	HS	None	LTOJT																
Diagnostic Medical Sonographers	77	13	16.9	2	1	3	7	1	1	77	95	23.4	26.2	38.65	AA	None	None																
Speech-Language Pathologists	288	52	18.1	3	4	7	39	34	0	204	235	15.2	37.8	38.41	MA	None	None																
Chiropractors	76	19	25.0	2	1	3	15	10	4	67	86	28.4	24.6	73.50	PHD	None	None																
Pediatricians, General	67	18	26.9	1	1	2	7	3	0	41	51	24.4	57.4	93.49	PHD	None	Int/Res																
Psychiatrists	74	13	17.6	1	1	3	6	6	3	61	75	23.0	64.5	102.25	PHD	None	Int/Res																
Cardiovascular Technologists and Technicians	57	5	8.8	1	1	2	17	8	3	57	69	21.1	18.5	35.44	AA	None	None																
Nurse Midwives	58	10	17.2	1	1	2	10	9	4	46	59	28.3	44.0	45.98	MA	None	None																
Ophthalmic Medical Technicians	59	13	22.0	1	0	1	9	4	3	23	30	30.4	10.2	22.50	VOC	None	None																

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/ Wage		Education/ Work Experience/ On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Nurse Anesthetists	50	8	16.0	n/a	n/a	n/a	1	1	0	n/a	n/a	n/a	41.9	72.10	MA	None	None																
Optometrists	42	10	23.8	1	1	2	2	2	0	32	41	28.1	36.4	85.00	PHD	None	None																
Nuclear Medicine Technologists	46	12	26.1	1	1	2	7	6	1	41	51	24.4	36.1	n/a	AA	None	None																
Anesthesiologists	32	10	31.2	1	1	1	9	9	0	28	35	25.0	37.5	9999.99	PHD	None	Int/Res																
Magnetic Resonance Imaging Technologists	39	7	17.9	1	0	1	3	0	1	26	32	23.1	30.3	36.43	AA	Under 5 yr	None																
Occupational Health and Safety Specialists (Oil and Gas)	378	114	30.2	3	8	11	54	19	15	283	315	11.3	46.0	35.44	BA	None	STOJT																
Occupational Health and Safety Technicians (Oil and Gas)	143	42	29.4	2	4	6	41	13	13	111	130	17.1	25.7	31.74	HS	None	MTOJT																
Dietetic Technicians	39	4	10.3	1	0	1	5	3	4	28	33	17.9	38.9	18.50	AA	None	None																
Obstetricians and Gynecologists	24	5	20.8	1	1	1	7	5	0	26	33	26.9	40.0	118.78	PHD	None	Int/Res																
Audiologists	34	7	20.6	n/a	n/a	n/a	2	1	1	n/a	n/a	n/a	39.3	n/a	PHD	None	None																
Radiation Therapists	28	5	17.9	1	0	1	0	0	1	25	30	20.0	30.4	n/a	AA	None	None																
Surgeons	22	4	18.2	n/a	n/a	n/a	4	4	1	n/a	n/a	n/a	66.7	9999.99	PHD	None	Int/Res																
Respiratory Therapy Technicians	24	3	12.5	n/a	n/a	n/a	4	0	1	n/a	n/a	n/a	47.6	n/a	AA	None	MTOJT																
Healthcare Support Occupations																																	
Medical Assistants	1,414	130	9.2	29	27	56	329	60	191	1,130	1,420	25.7	13.8	19.04	VOC	None	None																
Nursing Assistants	2,000	106	5.3	39	42	81	457	84	186	2,082	2,474	18.8	24.3	17.04	VOC	None	None																
Dental Assistants	1,197	136	11.4	29	22	51	232	69	116	1,081	1,373	27.0	15.8	20.83	VOC	None	None																
Home Health Aides	2,064	243	11.8	61	45	106	1,278	0	324	2,343	2,952	26.0	34.3	13.00	Any	None	STOJT																

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, October 2014.

The "n/a" means data are not available.

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/ Wage		Education/ Work Experience/ On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident ⁸ Workers Age 50+	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Massage Therapists	437	59	13.5	7	5	12	95	48	27	310	384	23.9	18.4	42.55	VOC	None	None																
Orderlies	71	6	8.5	1	1	2	24	1	4	52	63	21.2	13.2	14.88	HS	None	STOJT																
Phlebotomists	69	5	7.2	2	1	3	23	5	10	71	88	23.9	20.0	19.33	VOC	None	None																
Physical Therapist Aides	80	3	3.8	1	1	2	32	3	3	63	77	22.2	15.6	17.26	HS	None	STOJT																
Medical Transcriptionists	140	19	13.6	3	2	4	32	8	14	118	144	22.0	38.9	18.74	VOC	None	None																
Medical Equipment Preparers	100	3	3.0	2	2	3	20	2	12	78	93	19.2	13.4	19.68	HS	None	MTOJT																
Pharmacy Aides	72	7	9.7	2	2	4	14	0	8	82	101	23.2	19.4	19.44	HS	None	STOJT																
Physical Therapist Assistants	48	6	12.5	1	1	2	20	9	1	56	70	25.0	28.9	30.66	AA	None	None																
Psychiatric Aides	143	8	5.6	3	6	9	28	5	15	200	232	16.0	30.4	18.42	HS	None	STOJT																
Occupational Therapy Assistants	15	3	20.0	n/a	n/a	n/a	8	3	1	n/a	n/a	n/a	25.0	n/a	AA	None	None																
Installation, Maintenance, and Repair Occupations																																	
Maintenance and Repair Workers, General	3,971	837	21.1	25	58	83	1,019	299	499	3,259	3,511	7.7	41.1	22.32	HS	None	LTOJT																
Aircraft Mechanics and Service Technicians (Top Job)	1,258	261	20.7	10	32	41	192	130	69	1,303	1,399	7.4	35.5	30.92	VOC	None	None																
Medical Equipment Repairers	63	8	12.7	1	1	2	7	3	1	49	57	16.3	39.3	33.42	AA	None	MTOJT																
Helpers--Installation, Maintenance, and Repair Workers	1,212	233	19.2	10	36	46	296	15	163	813	915	12.5	22.0	15.96	HS	None	MTOJT																
Maintenance Workers, Machinery	621	240	38.6	3	5	9	167	33	64	303	335	10.6	35.6	27.29	HS	None	MTOJT																
Life, Physical, and Social Science Occupations																																	
Medical Scientists, Except Epidemiologists	57	8	14.0	1	1	2	4	1	0	42	54	28.6	44.0	n/a	PHD	None	None																

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, October 2014.

The "n/a" means data are not available.

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/ Wage		Education/ Work Experience/ On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident ⁸ Workers Age 50+	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Environmental Scientists and Specialists, Including Health (Oil and Gas, Top Job)								790	76	9.6	11	16	27	131	51	49	697	804	15.4	26.8	33.31	BA	None	None									
Clinical, Counseling, and School Psychologists								149	20	13.4	2	3	5	23	16	2	122	138	13.1	39.4	31.37	PHD	None	Int/Res									
Environmental Science and Protection Technicians, Including Health (Oil and Gas)								262	28	10.7	1	11	12	83	35	29	306	318	3.9	26.5	20.48	AA	None	None									
Management Occupations																																	
Medical and Health Services Managers (Top Job)								1,149	102	8.9	19	22	41	202	154	37	949	1,137	19.8	48.0	53.83	BA	None	None									
Administrative Services Managers (Top Job)								1,740	151	8.7	27	44	70	743	564	152	1,818	2,084	14.6	42.0	41.88	BA	Under 5 yr	None									
General and Operations Managers (Oil and Gas, Top Job)								4,825	601	12.5	40	60	101	1,171	914	362	3,350	3,752	12.0	46.7	49.15	BA	Under 5 yr	None									
Chief Executives (Top Job)								1,563	143	9.1	17	18	35	419	418	85	1,270	1,438	13.2	62.2	83.09	BA	5 plus yrs	None									
Financial Managers (Top Job)								1,243	82	6.6	12	20	32	291	214	77	1,128	1,252	11.0	43.7	52.92	BA	5 plus yrs	None									
Social and Community Service Managers								459	39	8.5	5	12	17	146	92	46	384	434	13.0	46.1	32.09	BA	5 plus yrs	None									
Training and Development Managers								154	13	8.4	3	4	6	69	56	16	158	184	16.5	35.6	47.53	BA	5 plus yrs	None									
Computer and Information Systems Managers (Top Job)								555	34	6.1	1	22	22	101	84	19	907	912	0.6	39.6	52.30	BA	5 plus yrs	None									
Human Resources Managers								338	31	9.2	2	10	12	110	82	27	431	452	4.9	46.3	51.45	BA	5 plus yrs	None									
Purchasing Managers								202	21	10.4	2	7	9	49	43	8	239	264	10.5	43.4	57.19	BA	5 plus yrs	None									
Construction Managers (Oil and Gas, Top Job)								1,379	330	23.9	14	25	39	328	234	140	1,044	1,183	13.3	48.0	55.26	BA	None	MTOJT									
Public Relations and Fundraising Managers								236	29	12.3	3	6	9	61	44	11	209	239	14.4	40.8	46.68	BA	5 plus yrs	None									
Marketing Managers								309	32	10.4	4	8	12	94	63	14	292	333	14.0	38.7	39.91	BA	5 plus yrs	None									
Education Administrators, Preschool and Childcare Center/Program								172	20	11.6	2	2	4	37	22	21	90	105	16.7	21.8	24.55	BA	Under 5 yr	None									

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Food Service Managers								695	129	18.6	5	7	12	171	132	92	401	449	12.0	24.9	25.16	HS	Under 5 yr	None									
Office and Administrative Support Occupations																																	
Receptionists and Information Clerks								3,407	384	11.3	49	101	149	1,193	134	388	2,970	3,457	16.4	22.0	15.58	HS	None	STOJT									
Billing and Posting Clerks								1,522	85	5.6	22	27	49	392	86	159	1,181	1,397	18.3	24.3	19.91	HS	None	STOJT									
Medical Secretaries								671	44	6.6	12	10	22	181	58	62	510	631	23.7	27.5	17.87	HS	None	MTOJT									
Office Clerks, General								7,062	915	13.0	62	158	220	2,341	305	849	6,795	7,417	9.2	27.0	18.98	HS	None	STOJT									
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive								3,282	207	6.3	28	60	88	827	125	288	3,074	3,356	9.2	34.5	17.57	HS	None	STOJT									
Executive Secretaries and Executive Administrative Assistants								3,793	257	6.8	40	69	109	1,453	894	407	3,566	3,969	11.3	35.7	25.06	HS	Under 5 yr	None									
First-Line Supervisors of Office and Administrative Support Workers (Top Job)								2,236	170	7.6	26	56	82	725	396	289	2,164	2,425	12.1	34.9	28.40	HS	Under 5 yr	None									
Bookkeeping, Accounting, and Auditing Clerks								4,940	408	8.3	46	86	132	1,368	325	551	4,446	4,904	10.3	33.6	20.31	HS	None	MTOJT									
File Clerks								621	49	7.9	9	9	17	248	25	78	590	677	14.7	23.3	16.04	HS	None	STOJT									
Bill and Account Collectors								528	34	6.4	7	10	16	169	35	49	505	570	12.9	26.6	19.58	HS	None	MTOJT									
Human Resources Assistants, Except Payroll and Timekeeping								514	28	5.4	4	14	18	188	29	47	512	555	8.4	26.4	20.92	HS	None	STOJT									
Customer Service Representatives								3,080	457	14.8	27	73	100	1,009	312	322	2,660	2,930	10.2	21.4	17.81	HS	None	STOJT									
Switchboard Operators, Including Answering Service								221	16	7.2	3	4	7	50	6	26	197	229	16.2	25.1	15.23	HS	None	STOJT									
Interviewers, Except Eligibility and Loan								160	21	13.1	4	4	8	86	17	14	192	231	20.3	38.8	18.74	HS	None	STOJT									
Data Entry Keyers								374	51	13.6	4	5	9	183	25	54	297	338	13.8	26.2	17.58	HS	None	MTOJT									
Hotel, Motel, and Resort Desk Clerks								1,385	460	33.2	14	40	54	552	0	265	1,046	1,186	13.4	15.9	12.26	HS	None	STOJT									

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Payroll and Timekeeping Clerks	530	45	8.5	5	10	15	169	26	64	520	571	9.8	34.9	22.09	HS	None	MTOJT																
Stock Clerks and Order Fillers	3,419	474	13.9	31	90	121	1,019	110	450	3,098	3,410	10.1	19.5	14.65	Any	None	STOJT																
Reservation and Transportation Ticket Agents and Travel Clerks	1,106	114	10.3	8	24	33	302	75	131	1,315	1,399	6.4	28.7	16.31	HS	None	STOJT																
Eligibility Interviewers, Government Programs	793	17	2.1	5	24	29	223	105	89	931	977	4.9	40.3	24.36	HS	None	MTOJT																
Couriers and Messengers	316	38	12.0	4	9	13	108	3	40	294	336	14.3	28.2	16.70	HS	None	STOJT																
Procurement Clerks	370	33	8.9	2	15	17	64	17	15	389	411	5.7	44.4	22.11	HS	None	MTOJT																
Shipping, Receiving, and Traffic Clerks (Oil and Gas)	934	107	11.5	12	23	35	364	67	153	937	1,056	12.7	27.9	18.54	HS	None	STOJT																
Insurance Claims and Policy Processing Clerks	215	15	7.0	2	6	8	66	12	18	193	216	11.9	17.7	26.10	HS	None	MTOJT																
Telephone Operators	101	14	13.9	1	4	4	65	15	35	134	142	6.0	22.3	n/a	HS	None	STOJT																
Production, Planning, and Expediting Clerks	439	75	17.1	3	10	13	127	57	58	395	426	7.8	28.9	23.42	HS	None	MTOJT																
Personal Care and Service Occupations																																	
Personal Care Aides	5,621	481	8.6	103	115	219	1,987	0	855	3,973	5,006	26.0	31.4	13.91	Any	None	STOJT																
Childcare Workers	2,511	382	15.2	30	97	127	756	0	269	2,008	2,308	14.9	15.3	11.45	HS	None	STOJT																
First-Line Supervisors of Personal Service Workers	224	40	17.9	4	7	11	70	28	29	303	340	12.2	32.8	21.58	HS	Under 5 yr	None																
Tour Guides and Escorts	1,382	814	58.9	14	56	70	463	71	189	962	1,101	14.4	25.1	13.58	HS	None	MTOJT																
Recreation Workers	1,122	357	31.8	6	13	19	381	40	68	847	903	6.6	17.7	17.87	BA	None	None																
Production Occupations																																	
Laundry and Dry-Cleaning Workers	592	113	19.1	0	10	10	115	0	77	426	418	-1.9	35.2	13.29	Any	None	STOJT																

Industry Report for Health Care¹

Number of Firms: 1,455 Education levels for all occupations in the Health Care industry: Education Levels ⁹ <table><tr><td>Any</td><td>HS</td><td>COLL</td><td>VOC</td><td>AA</td><td>BA</td><td>MA</td><td>PHD</td></tr><tr><td>15</td><td>57</td><td>2</td><td>13</td><td>18</td><td>42</td><td>10</td><td>16</td></tr></table>								Any	HS	COLL	VOC	AA	BA	MA	PHD	15	57	2	13	18	42	10	16	Statewide Labor Force Indicators									
								Any	HS	COLL	VOC	AA	BA	MA	PHD																		
								15	57	2	13	18	42	10	16																		
AlaskaWorker Data (2012) ²			Estimated Demand (2012-2022) ³			Potential Supply (2012)			Alaska Employment Projections (2012-2022) ³			Age/Wage		Education/Work Experience/On the Job Training																			
Total Number of Workers	Number of nonresident Workers	Percent nonresident Workers	Annual Openings due to Growth	Annual Openings due to Replacement	Total Annual Openings	Qualified, but working in another occupation ⁴	Workers currently employed in lower paid occupations ⁵	UI Claimants previously working in occupation ⁶	Estimated Employment (2012)	Projected Employment (2022)	Growth Rate (Percent)	Percent Resident Workers Age 50+ ⁸	Average Hourly Wage (May 2013)	Education ⁹	Work Experience ¹⁰	On the Job Training ¹¹																	
Stationary Engineers and Boiler Operators (Oil and Gas)								107	19	17.8	1	2	4	24	8	11	117	127	8.5	52.1	31.89	HS	None	LTOJT									
Dental Laboratory Technicians								48	6	12.5	1	1	3	9	3	3	44	58	31.8	23.8	25.23	HS	None	MTOJT									
Medical Appliance Technicians								17	0	0.0	1	1	2	10	5	3	31	38	22.6	52.9	n/a	HS	None	LTOJT									
Protective Service Occupations																																	
Security Guards								2,593	393	15.2	23	63	86	858	104	377	2,162	2,397	10.9	32.7	17.11	HS	None	STOJT									
Private Detectives and Investigators								79	12	15.2	n/a	n/a	n/a	33	26	8	n/a	n/a	n/a	26.9	n/a	HS	Under 5 yr	MTOJT									
Sales and Related Occupations																																	
Travel Agents								193	13	6.7	2	3	5	38	14	25	143	161	12.6	33.2	14.29	HS	None	MTOJT									
Telemarketers								82	11	13.4	1	1	2	14	0	10	63	73	15.9	28.2	13.19	Any	None	STOJT									
Retail Salespersons								14,136	2,554	18.1	103	390	493	5,132	962	1,576	10,596	11,626	9.7	20.6	13.02	Any	None	STOJT									
Transportation and Material Moving Occupations																																	
Commercial Pilots (Top Job)								1,113	496	44.6	11	28	39	143	49	101	837	944	12.8	46.1	n/a	HS	None	MTOJT									
Laborers and Freight, Stock, and Material Movers, Hand (Oil and Gas)								5,720	1,088	19.0	47	251	298	1,755	131	905	5,179	5,651	9.1	18.7	15.73	Any	None	STOJT									

NOTES

1. The industries included in this report are NAICS: 621 - Ambulatory Health Care Services, 622 - Hospitals, 623 - Nursing and Residential Care Facilities. (NAICS is short for the North American Industry Classification System, a set of industry categories standardized between the U.S., Canada and Mexico.)
2. Number of Workers/Residency Alaska wage records identify workers in private sector, state and local government covered by unemployment insurance within Alaska. Workers are assigned to the occupation in which they earned the most money in 2012, so a person will be counted only once, even if they worked in multiple occupations. The duration of a worker's employment is not a factor in the count of workers – a person is counted as a worker once they earn any wages covered under Alaska's unemployment insurance system. Alaska worker residency is determined by matching the Alaska Department of Revenue Permanent Fund Dividend (PFD) file with the Alaska Department of Labor and Workforce Development wage file. The PFD file is a list of Alaskans who either applied for or received a PFD. Workers included in the wage file are considered Alaska residents if they applied for a 2012 PFD or 2013 PFD. This data is methodologically different than the employment data. For more information on how the worker and the employment data differ, please contact the Research and Analysis Section of the Alaska Department of Labor and Workforce Development at 907.465.4518.
3. Estimated Demand/Employment Projections Ten year occupational employment projections are produced biennially, and provide the data for Estimated Demand and the Alaska Employment Projections. Estimated and projected employment data do not include self-employed workers in that occupation. Growth openings occur when new jobs are created in the economy. Replacement openings occur when workers leave an occupation. Replacement openings can occur for many reasons, including retirement, leaving the state, or changing careers. Total openings are the sum of growth and replacement openings, and may not total due to rounding. Some occupational projections will fall outside of statistical error measurement guidelines or will disclose confidential information about an employer, and are therefore suppressed. Because of suppressed data, overall totals cannot be calculated. This data is methodologically different than the Alaska worker data. For more information on how the worker and the employment data differ, please contact the Research and Analysis Section of the Alaska Department of Labor and Workforce Development at 907.465.4518.
4. In Another Occupation Workers were considered qualified for the listed occupation if they had four quarters of prior experience in the years 2010 through 2012 in that occupation. Workers may be considered qualified for more than one occupation.
5. In Lower Paid Occupation Each worker's primary occupation in 2012 was compared with all occupations in which they had four quarters of prior experience in the years 2010 through 2012. If the worker had four quarters of experience in an occupation, but was employed in 2012 in an occupation with a national mean wage that was more than 15% less, then they are counted as potential supply since they are currently "underemployed".
6. UI Claimants Unemployment insurance claimants with an active claim in 2012. Claimants were matched with 2010 through 2012 UI wage records to determine their primary prior occupation.
7. Age Worker age is determined by matching 2012 workers with historical PFD files. Only those workers with age data are used to determine the percent of workers older than age 50. Occupations with a significant number of nonresident workers will have less reliable age information since age data is not available for nonresident workers.
8. Average Hourly Wage Average Hourly Wage data comes from the Research and Analysis Section of the Alaska Department of Labor and Workforce Development, through the Occupational Employment Statistics Survey, a cooperative agreement with the U.S. Bureau of Labor Statistics, and represent statewide average wages for the occupation.

NOTES

9. Education Levels Entry level education requirements are based on the U. S. Department of Labor's Bureau of Labor Statistics data. The education groups are as follows:

- Any – Less than high school.
- HS – High school diploma or equivalent.
- COLL – Some college, no degree.
- VOC – Postsecondary non-degree award.
- AA – Associate's degree.
- BA – Bachelor's degree..
- MA – Master's degree.
- PHD – Doctoral or professional degree.

10. Work Experience Work experience in a related occupation is based on the U. S. Department of Labor's Bureau of Labor Statistics data. The work experience groups are as follows:

- None – No work experience required.
- under 5 yr – Less than five years.
- 5 plus yr – Five or more years.

11. On-the-Job Training Typical on-the-job training needed to attain competency in the occupation is based on the U. S. Department of Labor's Bureau of Labor Statistics data. The groups are as follows:

- None – No on-the-job training is required.
- STOJT – One month or less of informal on-the-job experience.
- MTOJT – One to twelve months of informal on-the-job experience.
- LTOJT – Training that lasts more than twelve months and either occurs on the job or combines work experience with formal classroom instruction.
- App – An apprenticeship is required. An apprenticeship combines paid on-the-job training and occupation-specific instruction. Most programs last between three and five years.
- Int/Res – Internship/residency is required. Internships and residences provide supervised training in a professional setting. They may be paid or unpaid, and usually occur after completion of a degree program or required coursework.

Other Reports:

Top Jobs – These are the occupations, based on Alaska's 2012-2022 occupational forecast, that either:

- Will grow faster than average, grow by at least 75 jobs over the ten-year period, and have higher than average wages; or
- Are among the top 50 occupations with the most projected openings, and have higher than average wages.